

**SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Lang et al. Attorney Docket: 2960/112  
Serial No: 10/681,749 Art Group Unit: 3738  
Date Filed: October 7, 2003 Examiner Name: Not yet assigned  
Invention: Minimally Invasive Join Implant with 3-Dimensional Geometry Matching the Articular Surfaces

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue Date/ Publication Date	Inventor	Class/Subclass
PP	AA	US 4,055,862	Nov. 1997	Farling	3/1.91
	AB	US 4,203,444	May 1986	Bonnell et al.	128/176
	AC	US 4,586,496	May 1986	Keller	128/92
	AD	US 4,601,290	Jul. 1986	Effron et al.	128/305
	AE	US 4,609,551	Sep. 1986	Caplan et al.	424/95
	AF	US 4,627,853	Dec. 1986	Campbell et al.	623/16
	AG	US 4,846,835	Jul. 1989	Grande	623/11
	AH	US 5,041,138	Aug. 1991	Vacanti et al.	623/16
	AI	US 5,067,964	Nov. 1991	Richmond et al.	623/18
	AJ	US 5,197,985	Mar. 1993	Caplan et al.	623/549
	AK	US 5,206,023	Apr. 1993	Hunziker	424/423
	AL	US 5,226,914	Jul. 1993	Caplan et al.	623/549
	AM	US 5,270,300	Dec. 1993	Hunziker	514/12
	AN	US 5,306,311	Apr. 1994	Stone et al.	623/18
	AO	US 5,368,858	Nov. 1994	Hunziker	424/423
	AP	US 5,468,787	Nov. 1995	Braden et al.	523/113
	AQ	US 5,632,745	May 1997	Schwartz	606/75
	AR	US 5,671,741	Sep. 1997	Lang et al.	128/653.2
	AS	US 5,728,162	Mar. 1998	Eckhoff	623/20
	AT	US 5,749,874	May 1998	Schwartz	606/75
	AU	US 5,769,899	Jun. 1998	Schwartz et al.	623/18
	AV	US 5,876,217	Jul. 1998	Tubo et al.	435/402
	AW	US 5,827,289	Oct. 1998	Reiley et al.	606/86
	AX	US 5,842,477	Dec. 1998	Naughton et al.	128/898
	AY	US 5,853,746	Dec. 1998	Hunziker	424/426
	AZ	US 5,871,018	Feb. 1999	Delp et al.	128/898
✓	BA	US 5,900,245	May 1999	Sawhney et al.	424/426

U.S. Patents (cont.)					
Examiner Initials	Reference Number	Document Number	Issue Date/ Publication Date	Inventor	Class/Subclass
PP	BB	US 5,906,934	May 1999	Grande et al.	435/325
	BC	US 5,939,323	Aug. 1999	Valentini et al.	435/395
	BD	US 5,972,385	Oct. 1999	Liu et al.	424/486
	BE	US 6,082,364	Jul. 2000	Balian et al.	128/898
	BF	US 6,110,209	Aug. 2000	Stone	623/16.11
	BG	US 6,120,541	Sep. 2000	Johnson	623/14.12
	BH	US 6,126,690	Oct. 2000	Ateshian et al.	623/18
	BI	US 6,139,578	Oct. 1000	Lee et al.	623/16.11
	BJ	US 6,200,606	Mar. 2001	Peterson et al.	424/574
	BK	US 6,203,576	Mar. 2001	Afriat et al.	623/20.27
	BL	US 6,214,369	Apr. 2001	Grande et al.	424/423
	BM	US 6,217,894	Apr. 2001	Sawhney et al.	424/426
	BN	US 6,219,571	Apr. 2001	Hargreaves et al.	600/410
	BO	US 6,251,143	Jun. 2001	Schwartz et al.	623/23.72
	BP	US 6,277,151	Aug. 2001	Lee et al.	623/23.61
	BQ	US 6,281,195	Aug. 2001	Rueger et al.	514.21
	BR	US 6,283,980	Sep. 2001	Vibe-Hansen et al.	606/151
	BS	US 6,299,905	Oct. 2001	Peterson et al.	424/486
	BT	US 6,328,765	Dec. 2001	Hardwick et al.	623/23.72
	BU	US 6,344,059	Feb. 2002	Krakovits et al.	623/20.31
	BV	US 6,351,558	Mar. 2002	Spector	623/18.11
	BW	US 6,358,253	Mar. 2002	Torrie et al.	606/96
	BX	US 6,371,958	Apr. 2002	Overaker	606/72
	BY	US 6,375,658	Apr. 2002	Hangody et al.	623/20.18
	BZ	US 6,379,367	Apr. 2002	Vibe-Hansen et al.	606/151
	CA	US 6,383,228	May 2002	Schmotzer	623/23.35
	CB	US 6,429,013	Aug. 2002	Halvorsen et al.	435/377
	CC	US 6,443,988	Sep. 2002	Felt et al.	623/17.12
	CD	US 6,444,222	Sep. 2002	Asculai et al.	424/484
	CE	US 6,459,948	Oct. 2002	Ateshian et al.	700/117
	CF	US 6,468,314	Oct. 2002	Schwartz et al.	623/23.72
	CG	US 6,479,996	Nov. 2002	Hoogeveen et al.	324/309
	CH	US 6,520,964	Feb. 2003	Tallarida et al.	606/71
	CI	US 6,632,235	Oct. 2003	Weikel et al.	606/192
	CJ	US 6,652,587	Nov. 2003	Felt et al.	623/20.16
	CK	US 6,679,917	Jan. 2004	EK	600/587

U.S. PUBLISHED APPLICATIONS					
Examiner Initials	Reference Number	Document Number	Issue Date /Publication Date	Inventor	Class/ Subclass
PP	CL	2001/0010023	Jul. 2001	Schwartz et al.	623/23.72
PP	CM	2001/0039455	Nov. 2001	Simon et al.	623/23.51
PP	CN	2002/0013626	Jan. 2002	Geistlich et al.	623/23.57

U.S. PUBLISHED APPLICATIONS (cont.)					
Examiner Initials	Reference Number	Document Number	Issue Date /Publication Date	Inventor	Class/ Subclass
PP 7 ↓	CO	2002/0045940	Apr. 2002	Giannetti et al.	623/11.11
	CP	2002/0059049	May 2002	Bradbury et al.	703/11
	CQ	2002/0087274	Jul. 2002	Alexander et al.	702/19
	CR	2002/0106625	Aug. 2002	Hung et al.	435/1.1
	CS	2002/0183850	Dec. 2002	Felt et al.	623/20.16
	CT	2002/0087274	Jul. 2002	Alexander et al.	702/19
	CU	2002/0115647	Aug. 2002	Halvorsen et al.	514/171
	CV	2002/0120274	Aug. 2002	Overaker et al.	606/72
	CW	2002/0120281	Aug. 2002	Overaker	606/151
	CX	2002/0151986	Oct. 2002	Asculai et al.	424/484
	CY	2002/0156150	Oct. 2002	Asculai et al.	623/23.75
	CZ	2003/0216669	Nov. 2003	Lang et al.	600/587
	DA	2005/0043807	Feb. 2005	Wood	623/20.14

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Examiner Initials	Reference Number	Country Code	Document Number	Publication Date	Patentee or Applicant	Class/Subclass
PP ↓	DB	EP	0528080	Aug. 1991	Richmond et al.	A61F 2/30
	DC	EP	0626156	Jan. 1992	Walker	A61F 2/38
	DD	EP	0530804	Sep. 1992	Hunziker	A61L 25/00
	DE	EP	0613380	Nov. 1992	Braden et al.	A61L 27/00
	DF	EP	0814731	Jan. 1996	Schwartz et al.	A61F 2/30
	DG	EP	0833620	Jun. 1996	Yayon et al.	A61K 9/22
	DH	EP	0896825	Aug. 1997	Atkinson et al.	A61L 27/00
	DI	EP	1077253	Aug. 2000	Halvorsen et al.	C12N 5/00
	DJ	EP	1120087	Jan. 2001	Schwartz et al.	A61B 17/06
	DK	EP	1129675	Mar. 2001	Overaker	A61F 2/30
	DL	EP	1234552	Feb. 2002	Overaker	A61F 2/00
	DM	EP	1234555	Feb. 2002	Overaker	A61F 2/30
	DN	WO	93/04710	Mar. 1993	Hunziker	A61L 25/00
	DO	WO	93/09819	May 1993	Braden et al.	A61L 27/00
	DP	WO	93/25157	Dec. 1993	Rau et al.	A61B 17/57
	DQ	WO	96/24302	Aug. 1996	Schwartz	A61B 17/90

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Examiner Initials	Reference Number	Country Code	Document Number	Publication Date	Patentee or Applicant	Class/Subclass
PP	DR	WO	97/25942	Jul. 1997	Schwartz	A61F 2/32
	DS	WO	97/38676	Oct. 1997	Peterson et al.	A61K 9/10
	DT	WO	98/30617	Jul. 1998	Searle	C08G 63/12
	DU	WO	99/02654	Jan. 1999	Peterson et al.	A61L 27/00
	DV	WO	99/08728	Feb. 1999	Atkinson et al.	A61L 27/00
	DW	WO	99/47186	Sep. 1999	Suh et al.	A61L 27/00
	DX	WO	99/51719	Oct. 1999	Fofonoff et al.	C12N 3/00
	DY	WO	00/09179	Feb. 2000	Gianetti et al.	A61L 25/00
	DZ	WO	00/48550	Aug. 2000	Atkinson et al.	A61K
	EA	WO	00/59411	Oct. 2000	Fell et al.	A61F 2/38
	EB	WO	00/74554	Dec. 2000	Schwartz et al.	A61B
	EC	WO	01/17463	Mar. 2001	Mansmann	A61F 2/30
	ED	WO	01/19254	Mar. 2001	Cummings et al.	A61B 17/064
	EE	WO	01/35968	May 2001	Ashkar et al.	A61K 35/00
	EF	WO	01/45764	Jun. 2001	Muller et al.	A61L 27/36
	EG	WO	01/68800	Sep. 2001	Trustees of Columbia U., City of N.Y.	B39
	EH	WO	01/70142	Sep. 2001	Carigan et al.	A61F 2/38
	EI	WO	02/22014	Mar. 2002	Alexander et al.	A61B5/055
	EJ	WO	02/23483	Mar. 2002	Steines et al.	G06T 11/00
	EK	WO	02/34310	May 2002	Dickson et al.	A61L 31/04
	EL	WO	02/36147	May 2002	Liu et al.	A61K 38/16
	EM	WO	02/06268	Dec. 2002	Lang et al.	A61F
	EN	WO	03/007788	Jan. 2003	Prasanna et al.	A61F
	EO	WO	03/051210	Jun. 2003	Ek et al.	A61B 17/58
↓	EP	WO	04/043305	May 2004	Tsougarakis et al.	A61F 2/30

OTHER DOCUMENTS			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
PP	EQ	Taha et al.	"Modeling and design of a custom made cranium implant for large skull reconstruction before a tumor removal", Phidias Newsletter No. 6, pages 3, 6, June 2001. Retrieved from the Internet: URL: <a href="http://www.materialise.com/medical/files/pdf">http://www.materialise.com/medical/files/pdf</a>
	ER	Kidder J. et al.	"3D model acquisition, design, planning and manufacturing of orthopaedic devices: a framework", Proceedings of the SPIE - Advanced Sensor and Control-System Interface, Boston, MA, Vol. 2911, pgs. 9-22, 21 November 1996
	ES	Carr J.C. et al.	"Surface Interpolation with Radial Basis Functions for Medical Imaging", IEEE Transactions on Medical Imaging, IEEE, Inc. New York, Vol. 16, No. 1, 1 February 1997, pgs. 96-107.
	ET	C.S. Ranawat et al.	"MacIntosh Hemiarthroplasty in Rheumatoid Knee" Acta Orthop Belg. 1973 Jan-Feb: 39(1):102-112
	EU	B. Blum et al.	"Knee Arthroplasty in Patients with Rheumatoid Arthritis", ANN. Rheum. Dis. 1974 Jan: 33(1):1-11
	EV	Nelson M.D. et al.	"Arthroplasty and Arthrodesis of the Knee Joint", Orthop. Clin. North Am. 1971 Mar: 2(1):245-64.
	EW	McCollum et al.	"Tibial Plateau Prosthesis in Arthroplasty of the Knee", J. Bone Joint Surg. Am. 1970 Jun:52(4):827-8.
	EX	Hastings D.E. et al.	"Double Hemiarthroplasty of the Knee in Rheumatoid Arthritis. A Survey of Fifty Consecutive Cases", J. Bone Joint Surg. Br. 1973 Feb:55(1):112-118.
	EY	Schron, D. et al.	"MacIntosh Arthroplasty in Rheumatoid Arthritis", Rheumatol Rehabil. 1978 Aug:17(3):155-163.
	EZ	McKeever, D.C. et al.	"The Classic Tibial Plateau Prosthesis", Clin. Orthop. Relat. Res. 1985 Jan-Feb:(192):3-12.
↓	FA	Conaty et al.	"Surgery of the Hip and Knee in Patients with Rheumatoid Arthritis", J. Bone Joint Surg. Am. 1973 Mar:55(2):301-314.

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PP	FB	MacIntosh et al.	"The Use of the Hemiarthroplasty Prosthesis for Advanced Osteoarthritis and Rheumatoid Arthritis of the Knee", J. of Bone & Joint Surg. 1972, Vol. 54B, No. 2, pgs. 244-255
	FC	MacIntosh	"Arthroplasty of the Knee in Rheumatoid Arthritis Using the Hemiarthroplasty Prosthesis", Synovectomy and Arthroplasty in Rheumatoid Arthritis pp. 79-80, Second Int'l. Symposium, Jan. 27-29, 1967 (Basle, Switzerland)
	FD	MacIntosh, D.L.	"Hemiarthroplasty of the Knee Using a Space Occupying Prosthesis for Painful Varus and Valgus Deformities", J. Bone Joint Surg. Am. 1958 Dec:40-A:1431.
	FE	Stauffer R. et al.	"The MacIntosh Prosthesis. Prospective Clinical and Gait Evaluation", Arch. Surg. 1975 Jun:110(6):717-720.
	FF	Clary BB et al.	"Experience with the MacIntosh Knee Prosthesis", South Med. J. 1972 Mar:65(3):265-272.
	FG	Ghelman MD, et al.	"Kinematics of the Knee After Prosthetic Replacements", Clin. Orthop. 1975 May: (108): 149-157.
	FH	Henderson, MD et al.	"Experience with the Use of the Macintosh Prosthesis in Knees of Patients with Pheumatoid Arthritis", South. Med. J. 1969 Nov:62(11):1311-1315.
	FI	Potter M.D.	"Arthroplasty of the Knee With Tibial Metallic Implants of the McKeever and MacIntosh Design", Sug. Clin. North Am. 1969 Aug:49(4):903-915.
	FJ	Potter T.A., et al.	"Arthroplasty of the Knee in Rheumatoid Arthritis and Osteoarthritis: A Follow-up Study After Implantation of the McKeever and MacIntosh Prostheses", J. Bone Joint Surg. Am. 1972 Jan:54(1):1-24.
	FK	Bogoch et al.	"Supracondylar Fractures of the Femur Adjacent to Resurfacing and MacIntosh Arthroplasties of the Knee in Patients with Rheumatoid Arthritis", Clin. Orthop. 1988 Apr. (229):213-220.
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OTHER DOCUMENTS (cont.)			
PP	FL	Cameron et al.	"Review of a Failed Knee Replacement and Some Observations on the Design of a Knee Resurfacing Prosthesis", Arch. Orthop Trauma Surg. 1980:97(2):87-89.
	FM	Kates A. et al.	"Experiences of Arthroplasty of the Rheumatoid Knee Using MacIntosh Prostheses", Ann. Rheum. Dis. 1969 May:28(3):328.
	FN	Jessop J.D. et al.	"Follow-up of the MacIntosh Arthroplasty of the Knee Joint", Rheumatol Phys. Med. 1972 Feb: 11 (5): 217-224.
	FO	Andersson GB et al.	"MacIntosh Arthroplasty In Rheumatoid Arthritis", Acta. Orthop. Scand. 1974:45 (2): 245-259
	FP	Wordsworth et al.	"MacIntosh Arthroplasty for the Rheumatoid Knee: A 10-year Follow Up", Ann. Rheum. Dis. 1985 Nov:44 (11): 738-741.
	FQ	Kay N.R. et al.	"MacIntosh Tibial Plateau Hemiprosthesis for the Rheumatoid Knee", J. Bone Joint Sur. Br. 1972 May: 54(2): 256-262.
	FR	Porter M.L. et al.	"MacIntosh Arthroplasty: a long-term review", J. R. Coll. Sur. Edinb. 1988 Jan-Feb: (192): 199-201.
	FS	Tamez-Pena, J. et al.	"MRI Isotropic Resolution Reconstruction from two Orthogonal Scans", Proceedings of the SPIE - The International Society for Optical Engineering SPIE-OMT. Vol. 4322, pp. 87-97, 2001.
	FT		International Search Report dated 23 February 2005
↓	FU		International Search Report dated 13 May 2005

Examiner Signature:       /Pedro Philogene/      

Date Considered:       07/05/2006      

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation *if not* in conformance and not considered. Include copy of this form with next communication to applicant.



Application No: 10/704,208  
Supplemental Information Disclosure Statement

SECTION 2: FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tsougarakis et al. Attorney Docket: 2960/114  
Serial No: 10/704,208 Art Group Unit: 3731  
Date Filed: November 7, 2003 Examiner Name: Not yet assigned  
Invention: Methods for Determining Meniscal Size and Shape and for Devising Treatment

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue Date/ Publication Date	Inventor	Class/Subclass
PP	AA	US 3,798,679	Mar. 1974	Ewald	3/1
Λ	AB	US 4,052,753	Oct. 11, 1977	Dedo	3/1
	AC	US 4,055,862	Nov. 1997	Farling	3/1.91
	AD	US 4,085,466	Apr. 1978	Goodfellow et al.	3/1.91
	AE	US 4,203,444	May 1986	Bonnell et al.	128/176
	AF	US 4,340,978	Jul. 1982	Buechel et al.	3/1.911
	AG	US 4,502,161	Mar. 1985	Wall	3/1.91
	AH	US 4,586,496	May 1986	Keller	128/92
	AI	US 4,601,290	Jul. 1986	Effron et al.	128/305
	AJ	US 4,609,551	Sep. 1986	Caplan et al.	424/95
	AK	US 4,627,853	Dec. 1986	Campbell et al.	623/16
	AL	US 4,769,040	Sep. 1988	Wevers	623/20
	AM	US 4,846,835	Jul. 1989	Grande	623/11
	AN	US 4,865,607	Sep. 1989	Witzel et al.	623/20
	AO	US 4,880,429	Nov. 1989	Stone	623/18
	AP	US 5,041,138	Aug. 1991	Vacanti et al.	623/16
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	AR	US 5,067,964	Nov. 1991	Richmond et al.	623/18
	AS	US 5,133,759	Jul. 1992	Turner	623/20
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	AV	US 5,206,023	Apr. 1993	Hunziker	424/423
	AW	US 5,226,914	Jul. 1993	Caplan et al.	623/549
	AX	US 5,270,300	Dec. 1993	Hunziker	514/12
	AY	US 5,306,311	Apr. 1994	Stone et al.	623/18
	AZ	US 5,314,482	May 1994	Goodfellow et al.	623/20
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	BS	US 5,939,323	Aug. 1999	Valentini et al.	435/395
	BT	US 5,972,385	Oct. 1999	Liu et al.	424/486
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	BV	US 6,082,364	Jul. 2000	Balian et al.	128/898
	BW	US 6,090,144	Jul. 2000	Letot et al.	623/20
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	CA	US 6,126,690	Oct. 2000	Ateshian et al.	623/18
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	CH	US 6,219,571	Apr. 2001	Hargreaves et al.	600/410
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	CQ	US 6,371,958	Apr. 2002	Overaker	606/72
	CR	US 6,375,658	Apr. 2002	Hangody et al.	623/20.18
	CS	US 6,379,367	Apr. 2002	Vibe-Hansen et al.	606/151
	CT	US 6,383,228	May 2002	Schmotzer	623/23.35
	CU	US 6,429,013	Aug. 2002	Halvorsen et al.	435/377

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	CY	US 6,468,314	Oct. 2002	Schwartz et al.	623/23.72
	CZ	US 6,479,996	Nov. 2002	Hoogeveen et al.	324/309
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	DB	US 6,558,421	May 2003	Fell et al.	623/14.12
	DC	US 6,632,235	Oct. 2003	Weikel et al.	606/192
	DD	US 6,652,587	Nov. 2003	Felt et al.	623/20.16
	DE	US 6,679,917	Jan. 2004	EK	600/587

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PP	DF	2001/0010023	Jul. 2001	Schwartz et al.	623/23.72
	DG	2001/0039455	Nov. 2001	Simon et al.	623/23.51
	DH	2002/0013626	Jan. 2002	Geistlich et al.	623/23.57
	DI	2002/0045940	Apr. 2002	Giannetti et al.	623/11.11
	DJ	2002/0059049	May 2002	Bradbury et al.	703/11
	DK	2002/0068979	Jun. 2002	Brown et al.	623/20.3
	DL	2002/0082703	Jun. 2002	Repicci	623/20.29
	DM	2002/0087274	Jul. 2002	Alexander et al.	702/19
	DN	2002/0106625	Aug. 2002	Hung et al.	435/1.1
	DO	2002/0120274	Aug. 2002	Overaker et al.	606/72
	DP	2002/0133230	Sep. 2002	Repicci	623/14.12
	DQ	2002/0183850	Dec. 2002	Felt et al.	623/20.16
	DR	2002/0087274	Jul. 2002	Alexander et al.	702/19
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Examiner Signature: /Pedro Philogene/

Date Considered: 07/05/2006

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Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

Application Number	10/681,749
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<b>Filing Date</b>	October 7, 2003
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First Named Inventor	LANG
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Group Art Unit	3738
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Examiner Name	Unassigned
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Attorney Docket Number	6750-0010
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Sheet	1	of	2
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/Pedro Philogene/

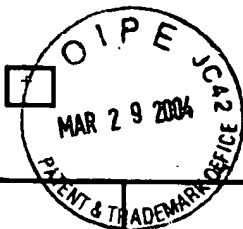
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				Application Number	10/681,749
				Filing Date	October 7, 2003
				First Named Inventor	LANG
				Group Art Unit	3738
				Examiner Name	Unassigned
				Attorney Docket Number	6750-0010
Sheet	2	of	2		

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
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Sheet	1	of	3
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<b>Application Number</b>	10/681,749
<b>Filing Date</b>	October 7, 2003
<b>First Named Inventor</b>	LANG
<b>Group Art Unit</b>	3738
<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	6750-0010

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				Group Art Unit	3738
				Examiner Name	Unassigned
Sheet	2	of	3	Attorney Docket Number	6750-0010

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